

CHICAGO SMELTING AND REFINING
COOK COUNTY
CHICAGO, ILLINOIS
SUPERFUND/HRS

CERCLA

Pre-CERCLIS Screening Assessment



Prepared by:
Office of Site Evaluation
Division of Remediation Management
Bureau of Land

PRE-CERCLIS SCREENING ASSESSMENT

for:

CHICAGO SMELTING & REFINING CO.

CHICAGO, ILLINOIS

PREPARED BY:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
BUREAU OF LAND
DIVISION OF REMEDIATION MANAGEMENT
OFFICE OF SITE EVALUATION

October 30, 2012

Site Summary

On February 22, 2012, the Illinois Environmental Protection Agency (Illinois EPA) received funding under a cooperative agreement with the Region 5 Offices of the United States Environmental Protection Agency (U.S. EPA) to conduct a Pre-CERCLIS Screening Assessment at the Chicago Smelting & Refining Company property located at 3701 South Kedzie Avenue, Chicago, Cook County, Illinois. The property is located in an industrial/commercial area two blocks south of the Interstate-55 & Kedzie interchange.

A Pre-CERCLIS Screening Assessment is a review of information on potential Superfund sites to determine if the site should be entered into EPA's Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS). During the assessment, information will be collected in order to complete the Pre-CERCLIS Screening Assessment Checklist Form (found in as an attachment to the Pre-CERCLIS Screening Assessment Report). If there is sufficient information that suggests the site may be impacting human health and the environment, the site will be placed in CERCLIS and will progress through the Superfund process. The Pre-CERCLIS Screening Assessment is performed under the authority of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) commonly known as Superfund.

A review of Standard Metal Directories and Sanborn Fire Insurance maps indicate that Chicago Smelting & Refining was a metal smelter and refinery producing solder, babbitt, lead, tin, zinc and type metal as well as a zinc smelter and dealer of scrap metals. The land is approximately 1.17 acres and is classified as industrial. The property is bordered by South Kedzie Avenue on the west; AMTRAK/Illinois Central railroad tracks on the north; South Albany Avenue on the east and West 37th Place on the south. The property is fenced with restricted access and is currently used primarily for parking commercial vehicles. A 5,000 ft² building and a single-wide mobile home/office are the primary structures present on the lot. The adjacent area is sparsely populated, with the nearest private residences located approximately 400 feet southwest of the property.

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets for the narrative.

Site Location: _____
(Street)

_____ Cook County _____ IL _____ , _____ -3001 _____
(City) (County) (ST) (Zip +4)

_____4_____
(Congressional District)

With regards to the Latitude and Longitude, please provide the following information: Accuracy in Meters +/-, Collection Method, Reference Datum, Reference Point, Source Map Scale, Point/Line/Area; Collection Date; Verification Method (see attached):

Complete the following checklist. If “yes” is marked, please explain below.		YES	NO
1.	Does the site already appear in CERCLIS?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.	Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.	Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.	Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.	Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.	Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.	Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.	Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, EPA approved risk assessment completed)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.	Is there documentation indicating that a target (e.g., drinking water wells, drinking surface water intakes, etc.) has been exposed to a hazardous substance released from the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10.	Is there an apparent release at the site with no documentation of exposed targets, but there are targets on-site or immediately adjacent to the site or nearby (within 1 mile)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11.	Are there no releases or potential to release?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Please explain all "yes" answer(s), attach additional sheets or refer to narrative:

- Site Determination: ☒ Enter the site into CERCLIS. Further assessment is recommended (explain below).
☐ The site is not recommended for placement into CERCLIS (explain below).

DECISION/DISCUSSION/RATIONALE:

A review of Standard Metal Directories and Sanborn Fire Insurance maps indicate that Chicago Smelting & Refining was a metal smelter and refinery producing solder, babbitt, lead, tin, zinc and type metal as well as a zinc smelter and dealer of scrap metals. The land is approximately 1.17 acres and is classified as industrial. The property is bordered by South Kedzie Avenue on the west; AMTRAK/Illinois Central railroad tracks on the north; South Albany Avenue on the east and West 37th Place on the south. The property is fenced with restricted access and is currently used primarily for parking commercial vehicles. A 5,000 ft² building and a single-wide mobile home/office are the primary structures present on the lot. The adjacent area is sparsely populated, with the nearest private residences located approximately 400 feet southwest of the property. Although access to the site is limited, residents do exist nearby and the site is recommended for an Abbreviated PA in order to verify that soil concentrations in the neighborhoods remain below USEPA's Action Levels.

EPA Regional Review and Site Assessment Decision

Check the box(es) that apply:

- ☒ Not a Valid Site or Incident
☒ Incident for Further Action Under CERCLA

Recommended Further Action:

- ☒ APA
☐ Full PA
☐ SI

Defer/Refer to:

- ☐ Removal Program
☐ State/Tribal Program
☐ RCRA
☐ Brownfields
☐ Other:

Regional EPA Reviewer:

PATRICK HAMBLIN / *[Signature]*
Print Name/Signature

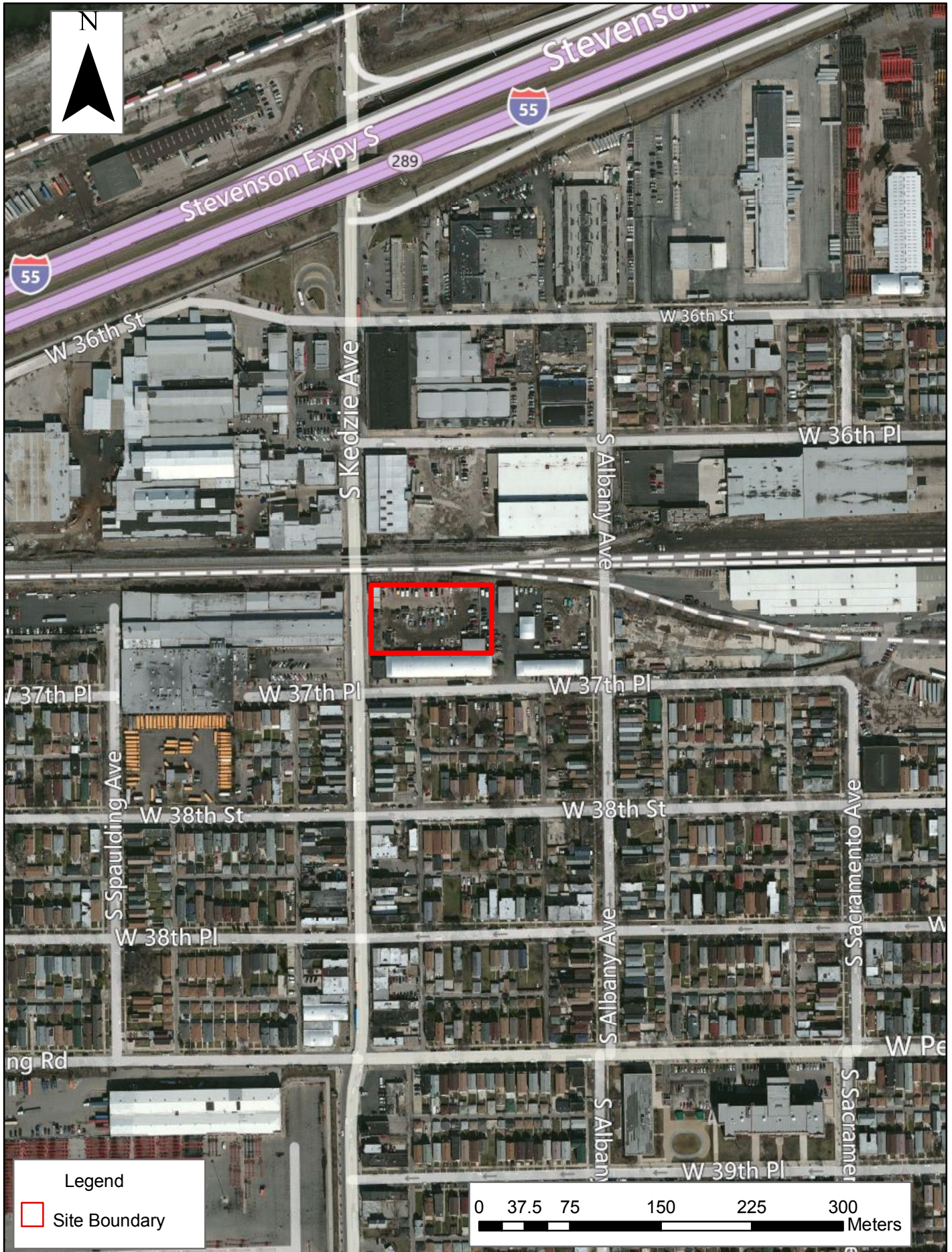
10/25/12
Date

State Agency/Tribe:

GERALD F. WILKINSON / *[Signature]*
Print Name/Signature

10/30/12
Date

Figure 1
Chicago Smelting & Refining Site Map



1919

CHRONOLOGICAL

47
(13-14)

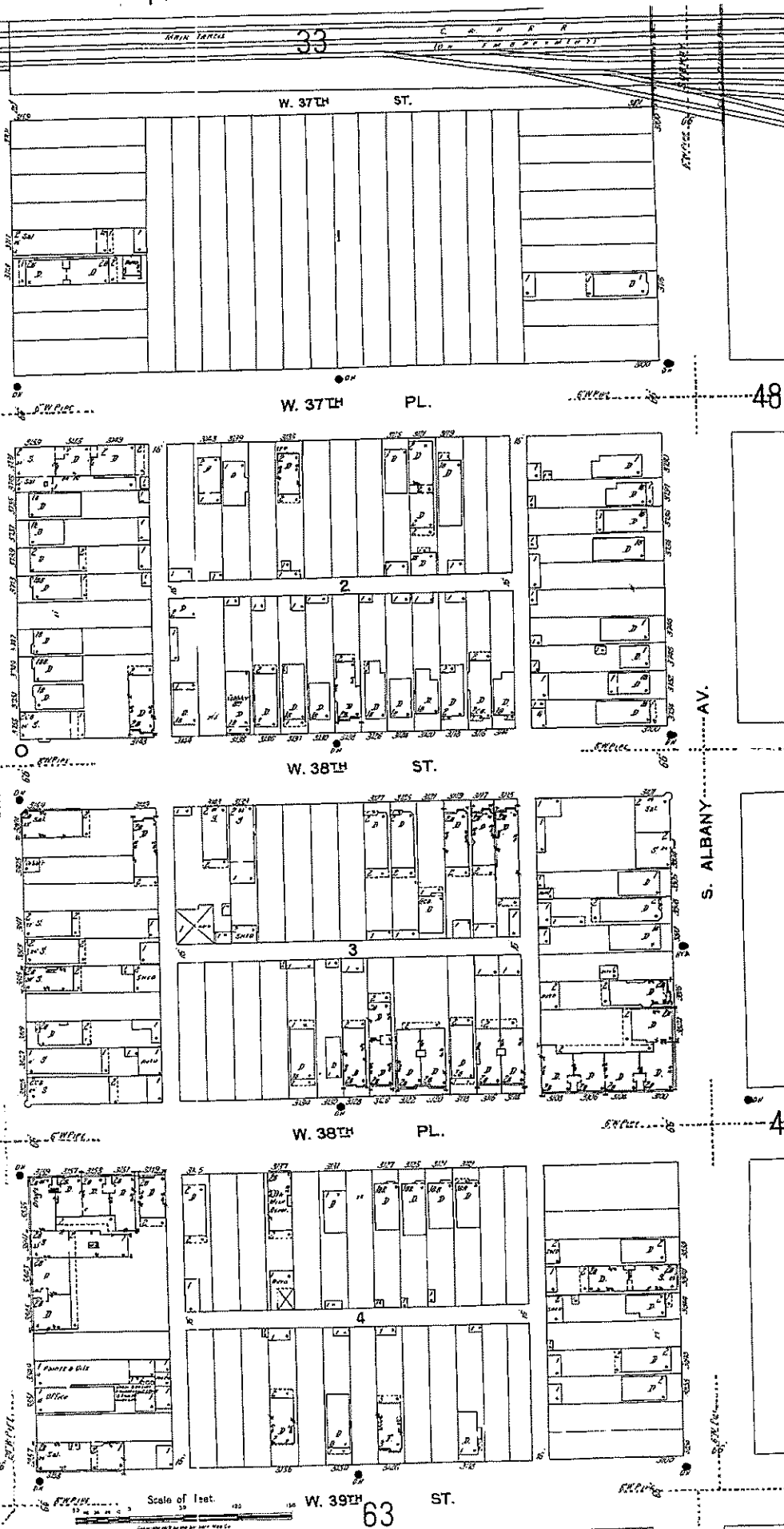


46

S. KEDZIE AV.

46

S. ALBANY AV.



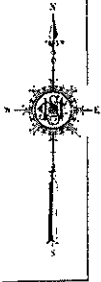
48

S. ALBANY AV.

48

1950 1951

CHICAGO PLAZA
47
(13-14)



46

S. KEDZIE AV.

W. 37TH ST. PL.

48

W. 38TH ST.

W. 38TH PL.

S. ALBANY AV.

46

48

47

Scale of Feet W. PERSHING (W. 39TH ST) ROAD

63